CLAIMS:

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1. A method of making a hydrocarbon oil dispersion of a solid procatalyst composition for use in a Ziegler-Natta olefin polymerization catalyst composition, said method comprising:

contacting a solid precursor composition comprising magnesium, titanium, and alkoxide moieties with a halogenating agent and an internal electron donor in any order, in a suitable reaction medium to prepare a solid procatalyst composition by halogen exchange;

separating the solid procatalyst composition from the reaction medium;

optionally further halogenating the solid procatalyst composition, exchanging the procatalyst composition under metathesis conditions, substituting metal values in the procatalyst composition, and/or extracting the procatalyst composition;

rinsing the procatalyst composition with liquid rinse diluent to remove at least a portion of by-products and/or unreacted halogenating agent;

separating the procatalyst composition from the liquid rinse diluent to provide a solid mass containing residual liquid rinse diluent;

partially drying the solid procatalyst composition to provide a mass having a residual liquid rinse diluent content of from 7 to 25 percent; and

dispersing the partially dried, solid precursor composition in a hydrocarbon oil.

- 2. The method of claim 1 wherein the internal electron donor is a C_{1-4} alkyl ester of an aromatic monocarboxylic or dicarboxylic acid, or a C_{1-4} alkyl ether derivative thereof.
- 3. The method of claim 2 wherein the internal electron donor is ethylbenzoate, ethyl p-ethoxybenzoate, di-n-butylphthalate, or diisobutylphthalate.
 - 4. The method of claim 1 wherein the rinse diluent is an aliphatic hydrocarbon.
- 5. The method of claim 1 wherein the rinse diluent is partially removed under flowing nitrogen at an initial inlet temperature from 0 to 50°C for a time from 1 to 60 minutes.
- 6. The method of claim 1 wherein the retained, oversized solids upon sieving the hydrocarbon dispersion through a 35 mesh (0.5 mm x 0.5 mm opening size) screen is 5.0 percent or less on a dry solids basis.
- 7. The method of claim 1 wherein the amount of residual liquid rinse diluent in the partially dried procatalyst that is dispersed in the hydrocarbon oil is from 10 to 20 percent.